ABSTRACT OF THE DISCLOSURE

Methods of provisioning remote direct memory access (RDMA) buffers are disclosed. In one aspect, a method may include determining that a pre-registered RDMA buffer has insufficient size to transfer a particular data. A larger RDMA buffer, which is larger than the pre-registered RDMA buffer, may then be provisioned. Then, the data may be transferred to a potentially remote node over a network using the provisioned larger RDMA buffer. Other methods, including methods of receiving data, are also disclosed. Apparatus and system to implement such methods are also disclosed.